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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

### Division of Oil, Gas & Mining

MICHAEL R. STYLER  
Executive Director

JOHN R. BAZA  
Division Director

### Inspection Report

#### Minerals Regulatory Program

Report Date November 8, 2006

Supervisor

**Mine Name:** Neal State  
**Operator Name:** Ziegler Chemical and Mineral

**Permit number:** M0470063  
**Inspection Date:** October 31, 2006  
**Time:** 12:15-1:10 PM

**Inspector(s):** Paul Baker  
**Other Participants:** Brent Taylor and Jason Stewart  
**Mine Status:** Active

**Weather:** Clear, 50's

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Purpose of Inspection:

I was informed last May that the operator would be re-activating this site, and I wanted to see what was happening.

#### Inspection Summary:

##### 1. Permits, Revisions, Transfer, Bonds

The Notice of Intention to Commence Small Mining Operations shows three mine sites, 1000 feet of new roads, 7000 feet of improved roads, and 2.7 acres of disturbance. The map in the notice shows the "original Neal #1" mine, the "present site Neal #1 (Neal #2)", and the "proposed site of Neal #3."

Correspondence in the file indicates there is disturbance at the original Neal #1 Mine site, but I have not been to this area.

The Division apparently holds a corporate surety of \$24,000.00 for reclamation of 4.8 acres, so the area permitted for disturbance, 2.7 acres, and the area bonded for disturbance, 4.8 acres, are not the same.

##### 2. Public Safety (shafts, adits, trash, signs, highwalls)

The operator has installed a new shaft with a wood collar to the southwest of the previous workings (center of Photo 2).

There is an open trench at this site, and I told the operator in the previous inspection that this trench needed to be backfilled, fenced, or otherwise secured. A fence has been installed around the open trench (just visible on the left and right of Photo 1).

5. Roads (maintenance, surfacing, dust control, safety)

The attached map shows two access roads. These roads were not included in the acreage figure on the map but should be. The south road is new since the last inspection. Disturbance from the roads is 0.75 acres.

The NOI shows a road leading to the Neal #2 Mine and continuing from there to the Neal #3 Mine which is different from what was done.

9. Soils

I believe some soil was salvaged from the site, but there are definitely some areas from which soil was not salvaged.

12. Other

Facilities and equipment at the site are shown in the photos and include the new shaft, an ore bin, a fuel tank, a compressor, and a generator.

The disturbance acreage figure shown on the attached map does not include the two access roads and does not include the original Neal #1 Mine. The total disturbance shown on the map, including the roads but not including the original Neal #1 site (not mapped), is 3.14 acres.

**Conclusions and Recommendations:**

The operator needs to file an amendment to show the new access road. The amendment needs to also show the total disturbed area acreage for the entire site. While the operator has disturbed more area than shown in the NOI, the surety probably covers enough acreage. This needs to be confirmed.

The Division should review the surety amount considering the acreage and the new facilities, but it may be adequate.

The operator needs to ensure that soil is salvaged from areas being disturbed.

Inspector's Signature  Date: 11/13/06

PBB:pb

cc: Valyn Davis, Ziegler  
Gordon Ziegler, Ziegler  
Will Stokes, SITLA

Attachment: GPS & Photos



## ATTACHMENT

### Photographs

M0470063, Neal State Mine, Ziegler Chemical and Mineral

Inspection Dated: October 31, 2006; Report Dated: November 8, 2006



**Photo 1.** The operator has installed a fence on either side of this trench.



**Photo 2.** This picture shows the Gilsonite vein and the new mine.



**Photo 3.** Fuel tank and other facilities at the site.



**Photo 4.** The storage bin.





**Photo 5. Some of the equipment.**



**Photo 6. Another view showing some of the equipment. In the distance is a hoist on the Neal #2 Mine pad. Hunters' trailers were parked on the pad at the time of the inspection.**



**Mine Number: S0470063**  
**Mine Name: Neal Slate 1, 2 and 3**  
**Township 11 S Range 24 E Section 32 SLBM**

Inspection Date Oct. 31, 2006  
Map Produced by DKS

Acres Disturbed	2.34
Acres Regraded	0
Acres Seeded	0
Road Acres Disturbed	0.05

Total Acres Disturbed	2.39
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Acres Reclaimed	0
Acres Excluded	0
Acres Prelaw	0

**Legend**  
All items symbolized in legend may not be appear on map

- |                 |   |
|-----------------|---|
| County Boundary | Township or range Line                    |
| Access          | Township or range line: location doubtful |
| Mine            | Section line                              |
| NonMine         | Section line: location doubtful           |
| Other           |   |
| Interstate      |   |
| US Route        |   |
| State Route     |   |
| Primary Route   |   |
| Secondary Route |   |
| Main Dirt Road  |   |
| Unimproved Road |   |
| Interchange     |   |
| Trail           |   |

DOQ imagery date 2004



0 625

Feet

1:7,500 1 inch equals 625 feet  
Verify Scale

Dept. of Natural Resources  
Division of Oil, Gas, and Mining  
Mineral Mines Program

Different data sources and input scales  
may cause misalignment of data layers.  
This product may not meet DOGM  
standards for accuracy and content.

